eRX CL-J6412

RUGGED INDUSTRIAL COMPUTER

eosibérica

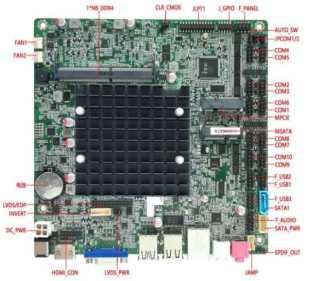
PC Embedded Series | Fanless Industrial Computers | INDUSTRIAL COMPONENTS

Elevation

Industrial PC INTEL Celeron up to 2.6Ghz 12th generation with J6412 processor (Quad Core / 4 threads).

Rugged fanless computer in black aluminum chassis, with passive cooling system without the use of fans to achieve protection against dusty environments.

It has 6 COM ports (2 of them configurable as RS485). 6 USB 3.0 ports. HDMI and VGA. Possibility of integrating wifi/bluetooth or 4G/GPS module. DC 12V power supply.



Indoor

TECHNICAL SPECIFICATIONS

Direct Importer: Grupo EOS Ibérica SA
Processor: Intel Celeron J6412 2.6Ghz.
Resolution: 4096x2304@60Hz (HDMI)
RAM: Supports up to 16GB SODIMM DDR4/2666
STORAGE: SATA3 SSD / m.2 2280 SSD
Audio: 2x Jack 2.5; Speakers/ MIC
Socket: 1x DDR4 RAM / 1 x Mini PCI-e
Ports: 2xUSB 3.0 / 4xUSB 2.0 / 1xHDMI / 1xVGA 6x RS232 (2x RS485)
LAN: 2xRJ45
OS: Windows 7, 8, 10, 11 Linux Compatible
Power Supply: DC 12 (5A)
Consumption: ~30-55 watts
Vibration: Very resistant to vibrations
Humidity: 0% ~ 90% (non-condensing)
Operating Temp.: -10°C~60°C
Storage Temp.: -30°C~80°C
Warranty: 1 Year (Extendable up to 3 years)

OTHER TECHNICAL DATA

Anchoring Type: Embedded (Built-in) yes, VESA no, RACK no.

Processor Frequency: Min. 2.0 GHz, Max turbo 2.6 GHz
Graphics: Intel® UHD Graphics for 10th Gen Intel® Processors
RAM: 0 Gb on Board + 2 DDR4 Socket
STORAGE: SSD SATA3 / SSD m.2 * Check capacities.
Audio: Realtek HD ALC662 Line-out and MIC
LAN: 2 ethernet 2*Realtek 8111E / 8111F Gigabit Network card.
GPIO: Optional (check)
Power: 1 x Power Button 1 x Reset Button + 1x Clear CMOS button
IP Protection: IP50. Dust entry cannot be avoided, but it must not enter in such a quantity that it interferes with the correct operation of the equipment. No water protection. Waterproof box: For higher IP protection (OPTIONAL)
Wireless: Intel Wifi card Intel 7260HMW (wifi+bluetooth) (OPTIONAL)
GPS: Mini PCI Express u-Blox pci-5s-1 - 500. (OPTIONAL)
4G/GPS: Mini PCI Express Kit 4G QUECTEL EC25-E (OPTIONAL)
Dimensions: 234 x 200 x 53 mm (LxWxH).
Weight: 1'8 Kg
Packing: Individual Box; PC, Power Supply, Power Cable.

I/O PORTS

Front

Rear

CONNECTIVITY OPTIONS

WiFi module: Intel 7260hmw
WiFi antenna: Yes
Connection cable: Yes
SMA extension cable: Optional

GPS module: u-Blox pci-5s-1-500
GPS antenna: Yes
Connection cable: Yes
SMA extension cable: Optional

4G/GPS module: Quectel EC25-E
4G/GPS antennas: Yes
Connection cable: Yes

PRODUCT VALUES

> 12th generation processor, compatible with Windows 11.
> 2 COM ports configurable as RS485.
> Double RJ45 LAN network connection.
> Resistant to aggressive environments; dust, grease, vibrations.
> Very low power consumption.
> Significant number of USB / COM connections.

MOST COMMON APPLICATIONS

> Automation
> Robot guidance
> Industrial control systems (ICS)
> Metrology
> Distributed control systems / SCADA
> Data acquisition systems (DAQs)
> Product classification
> Factory assembly lines
> Assembly in transport vehicles
> Wireless station (Wifi/4G/GPS)

APPLICATION SECTORS

> Road Safety
> Aerospace
> Automotive
> Data Centers
> Distribution
> Naval Sector
> Pharmaceutical Industry
> Transport and Logistics
> Meat Industry
> Fishing Vessels
> Shipyards

SOME SUCCESS STORIES

> Control of low-emission zones
> Traffic control, fine management

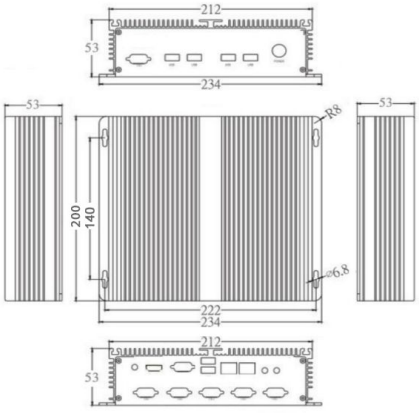
ALTERNATIVE REFERENCES

> Pc industrial eRX CL J1900V5
> Pc industrial eRX CL 3317u V2

CERTIFICATIONS

CONNECTIONS

CONNECTIONS y DIMENSIONS



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